

Job Title: Entry Level Manufacturing Engineer

Departments: Manufacturing Engineering & New Product Engineering

Summary: Swiss-Tech is a manufacturer of precision machined components for the medical, industrial, and aerospace industries. We are looking for smart, energetic engineering graduates with machining and fabrication experience to join us for a six-month paid internship working with our manufacturing and new product development engineering teams to support our business growth. These positions have the potential to become full time engineering positions at the end of the internship period.

Typical Duties and/or Responsibilities:

- Lead continuous improvement projects utilizing lean manufacturing & six sigma methodologies
- Collect and analyze statistical process control (SPC) data to optimize manufacturing processes
- Create engineering drawings and develop 3D solid models
- Design fixtures to improve production and inspection processes
- Create manufacturing work instructions
- Create/modify programs for CNC machines
- Create/modify programs for automated inspection equipment such as CMMs, vision systems and optical comparators
- Provide engineering support for initial production runs for new product development
- Provide documentation support for engineering change requests
- Performs other related duties as assigned.

Qualifications:

- Experience with machining (turning, milling, grinding) and fabrication processes
- Proficient with 3D CAD and solid modeling (SolidWorks a plus)
- Experience with CAM programming (PartMaker a plus)
- Knowledge of Geometric Dimensioning and Tolerancing (GDT) standards and use
- Highly organized with strong documentation skills
- Experience with dimensional measurement equipment including CMMs, optical comparators, vision systems, calipers, micrometers and bore gages
- Strong quantitative skills including the use of statistics for decision making processes
- Ability to use problem solving, project management and technical skills in a dynamic and diverse production environment.
- Good interpersonal and communication skills.

Education/Experience:

- Bachelor's Degree in Mechanical Engineering or related field
- Must be a US citizen or permanent resident